INTERNATIONAL SEARCH REPORT

International application No.

	ļ	PCT/JP2004/019077	
A. CLASSIFICATION OF SUBJECT MATTER Int.Cl ⁷ B66B3/00, B66B1/46			
According to International Patent Classification (IPC) or to both n	national classification and IPC	*	
B. FIELDS SEARCHED			
Minimum documentation searched (classification system followed Int.Cl ⁷ B66B1/00-B66B3/02	I by classification symbols)		
Documentation searched other than minimum documentation to the Jitsuyo Shinan Koho 1922-1996 Kokai Jitsuyo Shinan Koho 1971-2005	Jitsuyo Shinan To Toroku Jitsuyo Sh	roku Koho 19 inan Koho 19	96-2005 94-2005
Electronic data base consulted during the international search (nat	me of data base and, where pra	ecticable, search terms	used)
C. DOCUMENTS CONSIDERED TO BE RELEVANT	·		
Category* Citation of document, with indication, when the control of the control	here appropriate, of the relevan	nt passages	Relevant to claim No.
Y JP 2000-272850 A (Mitsub A 03 October, 2000 (03.10.0 Claim 1; Par. Nos. [0028] (Family: none)	0),		1-2,4-5 3
y JP 55-135075 A (Mitsubis A 21 October, 1980 (21.10.8 Claims; page 3, upper left page 4, upper left column (Family: none)	0), t column, line 8	to	1-2,4-5
y JP 2000-219443 A (Mitsub 08 August, 2000 (08.08.00 Claim 1; Par. Nos. [0035] (Family: none))),		2
Further documents are listed in the continuation of Box C.	See patent fami	ly annex.	
Special categories of cited documents: document defining the general state of the art which is not cons to be of particular relevance	"T" later document pu		tional filing date or priority n but cited to understand ntion
"E" earlier application or patent but published on or after the internation filing date "L" document which may throw doubts on priority claim(s) or which cited to establish the publication date of another citation or o	considered nove h is step when the do	icular relevance; the clair of cannot be considered cument is taken alone icular relevance; the clair	ed to involve an inventive
special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other r "P" document published prior to the international filing date but later the priority date claimed	considered to in means combined with o than being obvious to	ivolve an inventive ste	p when the document is cuments, such combination
Date of the actual completion of the international search 21 September, 2005 (21.09.05)		ne international search eer, 2005 (11	
Name and mailing address of the ISA/ Japanese Patent Office	Authorized officer		
Facsimile No. Form PCT/ISA/210 (second sheet) (January 2004)	Telephone No.		

INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP2004/019077

	PCT		/JP2004/019077 .	
(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT			
Category*	Citation of document, with indication, where appropriate, of the relevan	nt passages	Relevant to claim No	
Y	Microfilm of the specification and drawings annexed to the request of Japanese Utility Model Application No. 162434/1988(Laid-open No. 83865/1990) (Hitachi, Ltd.), 28 June, 1990 (28.06.90), Claims; description, page 6, line 10 to page 7, line 9; Figs. 1 to 3 (Family: none)			
A	JP 3-259880 A (Hitachi, Ltd.), 19 November, 1991 (19.11.91), Page 3, upper left column, line 13 to upper right column, line 11; Fig. 3 (Family: none)	3		
	,			
	•			
			İ	
		•		
		•		
			·	